



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named
Inventor : Timothy A. Skunes

Appn. No. : 10/644,650

Filed : August 20, 2003

For : OPTICAL ALIGNMENT MOUNT
WITH HEIGHT ADJUSTMENT

Docket No.: C34.12-0058

Group Art Unit: 2874

Examiner:

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I HEREBY CERTIFY THAT THIS PAPER IS BEING
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PATENT ATTORNEY

Sir:

The patents or publications listed on the enclosed PTO Form-1449 are submitted pursuant to 37 C.F.R. § 1.97. Copies of the non-U.S. patents and/or publications cited are enclosed.

The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123. A duplicate copy of this communication is enclosed.

Respectfully submitted,

WESTMAN, CHAMPLIN & KELLY, P.A.

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FORM PTO-1449		Atty. Docket No.: C34.12-0058	Appl. No.: 10/644,650
<p>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</p> <p><i>O I P E JCA 24</i> JAN 29 2004 PATENT & TRADEMARK OFFICE</p>		First Named Inventor:	
		Timothy A. Skunes	
		Filing Date	Group Art:
		August 20, 2003	2874

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AA	4,250,520	2/10/81	Denlinger	357	68	
AB	4,457,467	7/3/84	Klement et al.	228	103	
AC	4,708,429	11/24/87	Clark et al.	350	96.20	
AD	4,720,163	1/19/88	Goodwin et al.	350	96.20	
AE	4,750,799	6/14/88	Kawachi et al.	350	96.11	
AF	4,752,816	6/21/88	Sussman et al.	357	30	
AG	4,798,439	1/17/89	Preston	350	96.20	
AH	4,892,377	1/9/90	Randle	350	96.2	
AI	4,954,458	9/4/90	Reid	437	51	
AJ	4,989,934	2/5/91	Zavracky et al.	350	96.11	
AK	5,113,404	5/12/92	Gaebe et al.	372	36	
AL	5,123,074	6/16/92	Yokota et al.	385	95	
AM	5,177,807	1/5/93	Avelange et al.	385	91	
AN	5,210,811	5/11/93	Avelange et al.	385	91	
AO	5,216,729	6/1/93	Berger et al.	385	31	
AP	5,247,597	9/21/93	Blacha et al.	385	88	
AQ	5,249,733	10/5/93	Brady et al.	228	180.22	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
	AR						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AS	
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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AT	5,283,446	2/1/94	Tanisawa	357	433	
AU	5,450,508	9/12/95	Decusatis et al.	385	25	
AV	5,478,778	12/26/95	Tanisawa	437	183	
AW	5,499,312	3/12/96	Hahn et al.	385	91	
AX	5,535,296	7/9/96	Uchida	385	89	
AY	5,550,088	8/27/96	Dautartas et al.	437	225	
AZ	5,555,333	9/10/96	Kato	385	89	
BA	5,559,914	9/24/96	Asakura	385	49	
BB	5,568,892	10/29/96	Basavanhally	228	180.22	
BC	5,570,184	10/29/96	Armington et al.	356	375	
BD	5,574,561	11/12/96	Boudreau et al.	356	399	
BE	5,603,870	2/18/97	Roll et al.	264	1.25	
BF	5,647,044	7/8/97	Basavanhally et al.	385	92	
BG	5,659,641	8/19/97	DeMeritt et al.	385	14	
BH	5,687,267	11/11/97	Uchida	385	89	
BI	5,700,987	12/23/97	Basavanhally	219	56.1	
BJ	5,721,797	2/24/98	Basavanhally et al.	385	49	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
BM	5,745,624	4/28/98	Chan et al.	385	91	
BN	5,748,822	5/5/98	Miura et al.	385	90	
BO	5,748,827	5/5/98	Holl et al.	385	134	
BP	5,778,120	7/7/98	Asakura et al.	385	49	
BQ	5,833,202	11/10/98	Wolfgang	248	466	
BR	5,854,867	12/29/98	Lee et al.	385	49	
BS	5,859,943	1/12/99	Asakura et al.	385	49	
BT	5,883,988	3/16/99	Yamamoto et al.	385	14	
BU	5,892,179	4/6/99	Rinne et al.	174	261	
BV	5,985,086	11/16/99	Peall	156	292	
BW	5,898,806	4/27/99	Nishimoto	385	49	
BX	5,907,649	5/25/99	Acklin et al.	385	49	
BY	5,916,458	6/29/99	Komoriya et al.	219	121.63	
BZ	5,966,486	10/12/99	Boudreau et al.	385	90	
CA	5,970,200	10/19/99	Takikawa et al.	385	137	
CB	5,985,086	11/16/99	Peall	156	292	
CC	6,027,253	2/22/00	Ota et al.	385	83	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
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CE	
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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
CF	6,027,254	2/22/00	Yamada et al.	385	88	
CG	6,058,234	5/2/00	Tachigori	385	49	
CH	6,106,161	8/22/00	Basavanhally et al.	385	88	
CI	6,112,001	8/29/00	Kishida et al.	385	49	
CJ	6,115,515	9/5/00	Itoh et al.	385	14	
CK	6,118,917	9/12/00	Lee et al.	385	49	
CL	6,130,448	10/10/00	Bauer et al.	257	222	
CM	6,132,106	10/17/00	Yokoyama	385	74	
CN	6,157,050	12/5/00	Fukuoka	257	82	
CO	6,160,936	12/12/00	You et al.	385	49	
CP	6,164,837	12/26/00	Haake et al.	385	90	
CQ						
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CS						
CT						
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CV						

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
	CW	0 840 154 A1	5/6/98	EPO			X

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CX	
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FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
DA	0 977 061 A2	2/2/00	EPO			X
DB	2 779 536	12/10/99	France			X
DC	54-12286	1/29/79	Japan			X
DD	63-193113	8/10/88	Japan			(Abstract)
DE	61-277908	12/8/96	Japan			(Abstract)
DF	62-276890	12/1/87	Japan			(Abstract)
DG	63-12187	1/19/88	Japan			(Abstract)
DH	63-65411	3/24/88	Japan			(Abstract)
DI	63-193113	8/10/88	Japan			(Abstract)
DJ	63-228113	9/22/88	Japan			(Abstract)
DK	1-302214	12/6/89	Japan			(Abstract)
DL	6-34852	2/10/94	Japan			(Abstract)
DM	6-174943	6/24/94	Japan			(Abstract)
DN	6-201921	7/22/94	Japan			(Abstract)
DO	6-331840	12/2/94	Japan			(Abstract)
DP	7-333472	12/22/95	Japan			(Abstract)

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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
DR						
DS						
DT						
DU						
DV						
DW						

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
	DX	196 44 758 A1	4/30/98	Germany			X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

DY	"Micro-Mechanical Alignment Structures (patent pending)", from Web Site of Axsun Technologies, 2 pages, downloaded 2/15/01.
DZ	"An Innovative Flexible and Accurate Packaging Technique Suited to Fabricate Low Cost Micro Optoelectronic Modules", by M. Scussat et al., <u>Electronic Components and Technology Conference</u> , 2000, pgs. 26-32.
EA	Article from Web Site entitled "The Photonics Program and the Engineering Research Division at LLNL are Automating the Packaging of Optoelectronic Devices to Lower Costs", 3 pages, downloaded 10/19/00.
EB	Article from Web Site entitled "Automated Optoelectronic Packaging", 2 pages, downloaded 2/5/01.
EC	Article from Web Site entitled 'Micro Assembly Automation", 3 pages., downloaded 2/5/01.
ED	

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EE	4,730,198	3/8/88	Brown et al.	350	96.20	
EF	4,790,618	12/13/88	Abe	350	96.15	
EG	4,817,849	4/4/89	Yamamoto et al.	228	103	
EH	4,845,052	7/4/89	Abend	437	209	
EI	4,909,590	3/20/90	Kamiko et al.	350	96.22	
EJ	5,093,879	3/3/92	Bregman et al.	385	93	
EK	5,170,455	12/8/92	Gooseen et al.	385	89	
EL	5,215,489	6/1/93	Nakamura	445	4	
EM	5,322,463	6/21/94	Young	445	4	
EN	5,371,822	12/6/94	Horwitz et al.	385	89	
EO	5,625,733	4/29/97	Frigo et al.	385	88	
EP	5,659,641	8/19/97	DeMeritt et al.	385	14	
EQ	5,737,467	4/7/98	Kato et al.	385	92	
ER	5,916,458	6/29/99	Komoriya et al.	219	121.63	
ES	6,010,251	1/4/00	Koyanagi et al.	385	93	
ET	5,644,668	7/1/97	Chambers et al.	385	90	
EU	5,671,315	9/23/97	Tabuchi et al.	385	137	
EV	5,700,987	12/23/97	Basavanhally	219	56.1	
EW	6,106,161	8/22/00	Basavanhally et al.	385	88	

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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
EZ	6,222,579	4/24/01	Sousa	347	241	
FA	6,327,407	12/4/01	Mitsuda et al.	385	49	
FB	2001/0010743	8/2/01	Cayrefoureq et al.	385	88	
FC	6,074,103	6/13/00	Hargreaves et al.	385	90	
FD	6,148,511	11/21/00	Taguchi	29	834	
FE	5,894,657	4/20/99	Kanayama et al.	29	740	
FF	4,854,667	8/8/89	Ebata et al.	350	96.20	
FG	5,383,118	1/17/95	Nguyen	364	167.01	
FH	5,677,973	10/14/97	Yuhara et al.	385	90	
FI	4,752,109	6/21/88	Gordon et al.	350	96.20	
FJ	4,807,956	2/28/89	Tournereau et al.	350	96.20	
FK	5,416,872	5/16/95	Sizer, II et al.	385	92	
FL	5,435,734	7/25/95	Chow	439	69	
FM	5,872,880	2/16/99	Maynard	385	88	
FN	6,186,674	2/13/01	Basavanhally	385	88	
FO	6,318,906	11/20/01	Ishizaka	385	88	
FP	6,392,778	5/21/02	Perduijn et al.	359	245	
FQ	6,396,854	5/28/02	Takagi	372	20	
FR	5,093,984	3/10/92	Lape	29	741	
FS	5,977,567	11/2/99	Verdiell	257	99	

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GA	5,023,881	6/11/91	Ackerman et al.	372	46	
GB	5,906,753	5/25/99	Aoyagi et al.	216	24	
GC	6,467,972	10/22/02	Setoguchi	385	88	
GD	6,470,120	10/22/02	Green et al.	385	52	
GE						
GF						
GG						

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
GH	0 600 645 A1	6/8/94	EPO			X
GI	0 903 600 A1	3/24/99	EPO			X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

GJ	"Notification of Transmittal of the International Search Report or Declaration" PCT/US02/05412.
GK	"Notification of Transmittal of the International Search Report or Declaration" PCT/US02/05268.
GL	"Notification of Transmittal of the International Search Report or Declaration" PCT/US02/05497.
GM	"Notification of Transmittal of the International Search Report or Declaration" PCT/US02/05498.
GN	"3.5 Gb/s x 4 ch Optical Interconnection Module for ATM Switching System" by N. Tanaka et al., <u>Electronic Components and Technology Conference</u> , pgs. 210-216, 1997.
GO	"Advanced Flip Chip Bonding Techniques Using Transferred Microsolder Bumps", by N. Koshoubu et al., <u>Electronic Components and Technology Conference</u> , pgs. 272-277, 1999.
GP	"Hybrid Integrated 4x4 Optical Matrix Switch Using Self-Aligned Semiconductor Optical Amplifier Gate Arrays and Silica Planar Lightwave Circuit", <u>Electronics Letters</u> , Vol. 34, No. 10, pgs. 986-987, May 14, 1998.
GQ	

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GR	3,407,018	10/68	J.V. Miller	350	321	
GS	6,320,705	11/01	Dube'	359	796	
GT	US2003/0037141	03/02	Miyamoto et al.			
GU	4,180,307	12/1979	Tateoka et al.	350	6.5	
GV	2002/0037141	3/2002	Miyamoto et al.	385	88	
GW	4,989,940	2/1991	Wollenweber et al.	350	96.18	
GX	5,351,330	9/1994	Jongweaard	385	93	
GY	5,570,444	10/1996	Janssen et al.	385	90	
GZ	5,619,609	4/1997	Pan et al.	385	136	
HA	6,087,621	7/2000	Kang et al.	219	121.64	
HB	6,174,092	1/2001	Siala	385	91	
HC	6,184,987	2/2001	Jang et al.	356	388	

FOREIGN PATENT DOCUMENTS

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HD		1 008 877 A2	6/14/00	EPO			X
HE		1 014 125 A2	6/28/00	EPO			X
HF		0 821 218 A2	1/28/98	EPO			X
HG		0 903 608 A2	3/24/99	EPO			X
HH		0 921 702 A2	6/9/99	EPO			X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

HI	Search Report PCT/US03/12252.
HJ	"Notification of Transmittal of the International Search Report or the Declaration" PCT/US03/12252.
HK	
HL	

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